

Geometry 8.4 Assignment Answer Bank: Similar Triangles

Make sure you show all appropriate work!

12) Use the fact that acute angles of right triangle are complementary to show $\angle CAB \cong \angle CDA$	$\frac{14}{3}$	46	$\triangle RSV \sim \triangle RTU$
	$\frac{\sqrt{149}}{2} \approx 6.1$	51	Not enough information
	8	$\triangle ABC \sim \triangle EDC$	$\angle RTL \cong \angle MNO$
$\frac{36}{11} \approx 3.27$	12	\overline{KJ}	$\angle S \cong \angle UTV$
5	± 16	$\angle L \cong \angle MON$	$\frac{SU}{TU} = \frac{SW}{TV} = \frac{WU}{VU}$
$\frac{10}{3}$	16	$\triangle LMN \sim \triangle HGD$	$\angle U \cong \angle U$
	$5\sqrt{82} \approx 45.28$	$\angle R \cong \angle M$	$\angle W \cong \angle TVU$
		$\frac{RL}{MO} = \frac{RT}{MN} = \frac{LT}{ON}$	